

MICROCOPY RESOLUTION TEST CHART NATIONAL HOSTAGE OF STANDARDS DRIVER



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needed. Do not return to the originator.

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20. ABSTRACT (Continue on reverse side if necessary as	ed identify by block number	
Meteorological data gathered for BN-122, BN-123, BN-112, Round No. presented in tabular form.	the launching of	the 19310A MLRS, Missile No.

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INTRODUCTION

19310A MLRS, Missile Numbers BN-122, BA-123 and BN-112, Round Numbers V-330/PQ-70 V-331/PQ-71 and V-332/PQ-72, were launched from Brillo, White Sands Missile Range (MSMR), New Mexico, at 0934:56, 0935:00 and 0935:05 MDT, 30 Sep 82. The scheduled launch times were 0930, 0930:04.5 and 0930:09 MDT.

DISCUSSION

Meteorological data we e recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following mentods:

- 1. Observations
 - a. Surface:
- (1) Standard surface observations to include pressure, temperature $({}^{O}C)$, relative humidity, dew point $({}^{C}C)$, density (gm/m^3) , wind direction and speed, and cloud cover were made at the Brillo Met Site at T-O minutes.
- (2) Anemometer data were provided from existing tower-mounted anemometers at Brillo. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
 - b. Upper Air-
- (1) Low level wind data were obtained from Pilot-balloon observations at:

SITE AND ALTITUDE

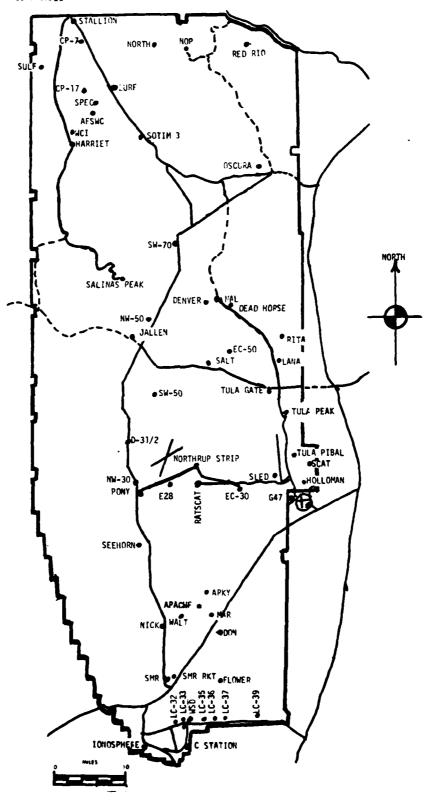
D3½ 1750 meters
Deadhorse 950 meters

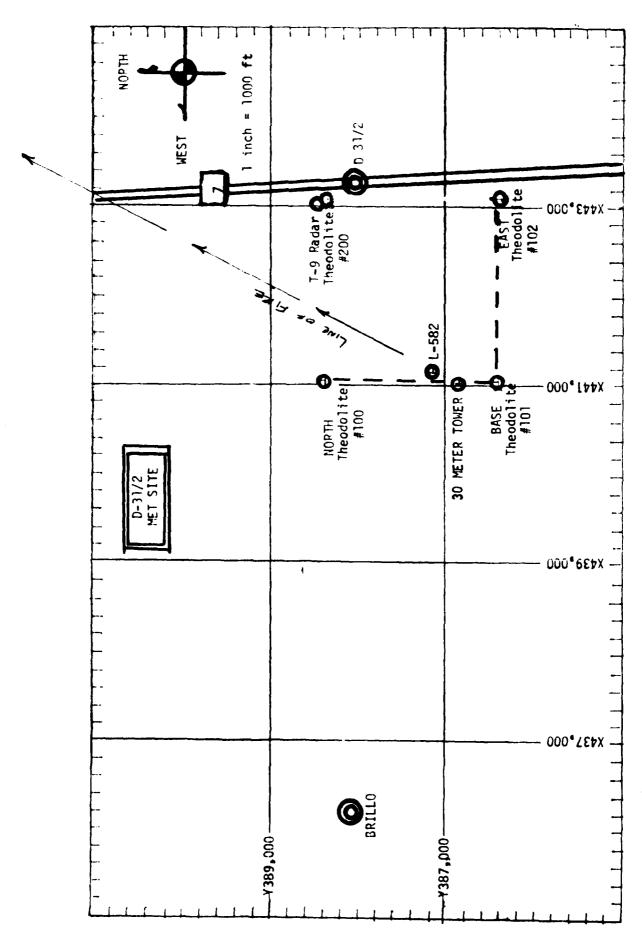
(2) Air structure data (rawinsonde) were collected at the following Met Sites.

SITE AND TIME

E-28 0700 MDT NW-30 0845 MDT E-28 0930 MDT

WSMR METEOROLOGICAL SITES





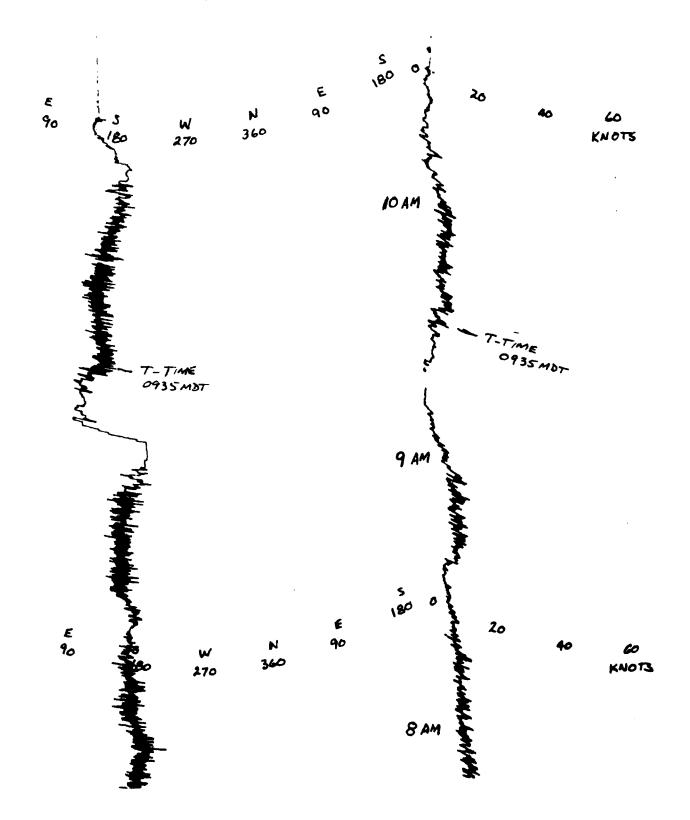
PROJECT SURFACE OBSERVATION

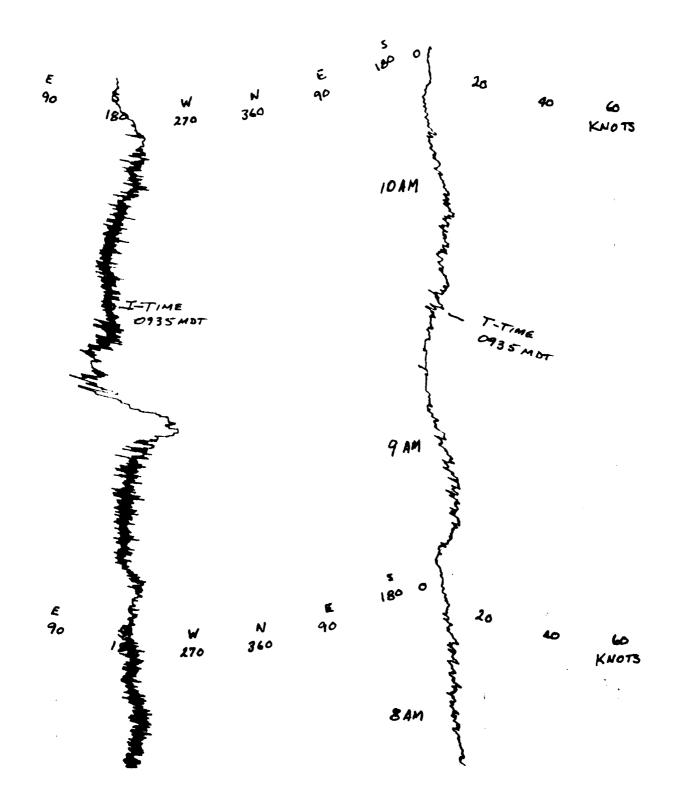
TABLE 1								STATION Brillo	.illo		
DATE 30	Sep 82	82 VEAR	ł				. •	x= 441,121.6	£ .	X= 441,121.6 Y= 387,107.8 H=4005.2	4005.2
11 <u>0</u> <u>0</u> <u>0</u>	PRESSURE TEMPERATURE OF OC	TE: IPE R.	ATURE OC	DEW POINT OF OC	OINT OC	PELATIVE HUMIDITY %	DENSIIY gm/m3	DIRECTION degs In	WIND SPEED K ts	DIRECTION SPEED CHAPACTER degs in kts	VISIBIL- ITY
0935	873.9		18.5		16.7	. 06	1042	150	90		9

	REMARKS			
	a:	HGT		
	d LAYE	AMT TYPE HGT		
	3r	AM		
	Ä	HGT	0009	
CI OUDS	2nd LAYER	TYPE	SN	
	1 2n	AM	9	
	ď	HGT	3500	
	t LAYE	AMT TYPE HGT	c	
	15	AMT	4	
		TO VISIBILITY	~	

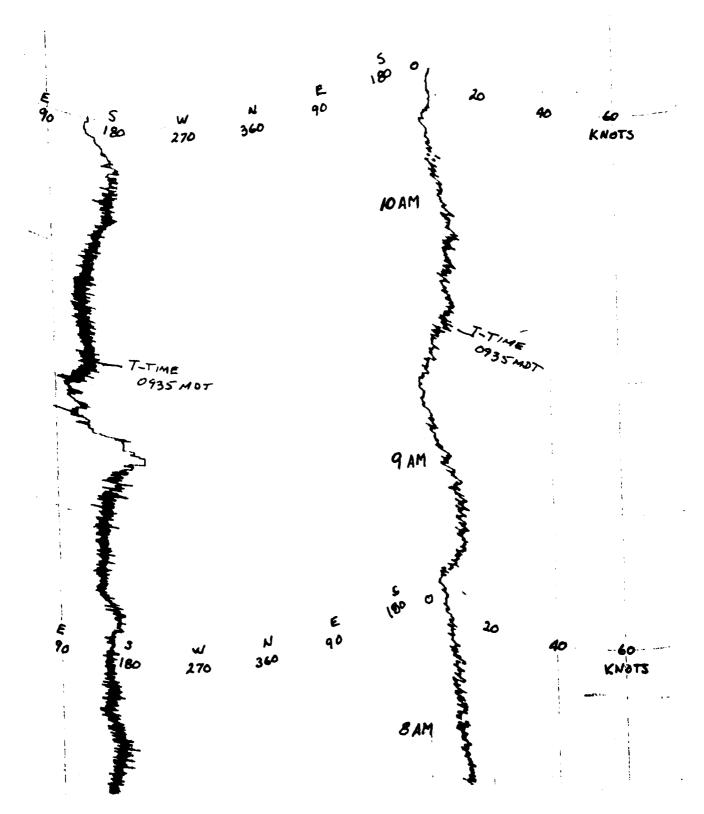
CHPUTATION	0835	18,5	7.3	1.2	16,7	06
PSYCHROFETRIC CC: PUTATION	TINE:	DRY BULB TEMP.	MET BULB TEIPP. 1	WET BULB DEPR.	DEW POINT	RELATIVE HUMID.

Anemometer Data - 30 FT. Level of 30 Meter Tower X = 441,018.71 Y = 386,849.19 H= 4,004.80 (BASE)





Anemometer Data - 90 FT Level of 30 Meter lower X= 441,018.71 Y= 386,849.19 H= 4,004.80 (BASE)



T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 30 September 1982

SITE: D312

TIME: 0935 MDT

WSTM COORDINATES:

x = 441,053.12

Y = 386,316.94

H= 4,008.31

SITE: Deadhorse

TIME 0935 MDT

WSTM COORDINATES:

 $\chi = 519,982.11$

y = 490,249.23

H=4,133.72

2000

LAYER MIDPOINT	DIRECTION	SPEED	LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS	METERS AGL	DEGREES	KNOTS
SURFACE	150	06	SURFACE	170	03
150	158	14	150	174	09
210	159	15	210	177	13
270	161	14	270	179	19
330	163	13	330	180	25
390	168	12	390	179	25
500	186	10	500	176	21
650	194	12	650	179	20
300	189	15	800	187	18
950	187	16	950	187	17
1150	189	16	1150	Lost in clo	ouds
1350	195	13	1350		
ı 55 0	213	11	1550		
1750	223	19	1750		•

2000 Lost in clouds
Data obtained from Double Theodolite
Tracked Pilot-Balloon observation.

Data obtained from Single Theodolite Tracked Pilot-Balloon observation.

AIMING AND T-TIME COMPUTER MET MESSAGES

E-28 0700 MDT	NW-30 0845 MDT	E-28 0930 MDT
METCM1329064	METCM1329065	METCM1329064
301300119874	301480122874	301550119876
00356006 29490374	00480003 29440874	00391006 29320876
01269019 29540864	01306014 29440864	01297015 29170866
02295021 29360840	02293023 29380840	02301023 29030841
03317023 29110301	03337015 29180801	03324016 28780802
04325030 28920756	04338011 28870756	04360011 28430756
05334027 28570712	05361016 28460712	05381008 28070712
06347021 28170671	06359019 28100670	06364014 27680669
07376020 27740631	07330022 27780631	07331022 27370629
08362036 27370593	08322034 27510593	08319035 27250591
09352046 27120557	09318049 27280557	09313047 27040555
10347048 26940523	10320045 27030523	10307055 26820521
11342045 26690491	11332045 26780491	11305056 26600489
12337047 26210446	123 46 ⁰ 43 26400446	12310059 26210444
13350050 25660391	13359044 25770 3 92	13322052 25620389
14362051 24990342	14355057 25140343	14341056 25000340
15366067 24200298	15360066 24370299	15363064 24200296
16359086 23390258	16359058 23610259	16357070 23440257
17366104 22570222	17350077 22820224	17354089 22740222
18376114 21810191	18354086 22010192	18342097 21840190
19402100 21070163	19395078 21290164	19372098 21120162
20411082 20530138	20397079 20740140	20388101 20620138
21388079 20110117	21392068 20310119	21396074 20200117
22410063 20200099	22401051 20470100	22406050 20250099
23434025 20910084	23372021 21170085	23363021 20680084
24 327019 21 0 10071	24319028 21380073	24318032 21170071
25103016 21390061	25324014 21620062	25020013 21430061
26124021 21490052	26148014 21590053	26250016 21350052

SIGNIFIC	27	5 V 3	
	STATION ALFITUDE 3912.75 FEFT MSL	30 SEP. 82 0700 MUT	ASCENSION NO. 97

AIAU	~
1CA'IT LLVLL 2730240097	AST-20/CHLHRI
	AST-2
SIGNIF	•

vEODETIL COOMITMATES 32+h9927 LAT DEG 136+40591 LON DEG

1/3LE 7

PRECHRE	Growfield	TERPE	28 TURE	N. T.
1.000	ALTIT		EMPOINT	PERCENT
"ILLIBARS	MSL FELT	Ç:	CENTIGRADE	
374.4	912.		ំ	3
	ċ		ŝ	~
861.1	347.	20.7	15.7	•
	716.		÷	•
	19.	•	ä	•
774.0	7345.3		•	65.0
	588.	•	•	•
703.4			•	•
	0127.	•	•	•
639.4	2580.		-1.4	
	3540.	•	۲.	•
	4608.	•	-1.4	
	15g04.1	-5.6	•	٠
	6411.	•	•	•
	6591.	•	-3.7	•
	9027		•	•
	9742.	•	ŝ	•
	1348.	•	•	•
	2404.	•		÷
	2740.		15.	÷
	4668.	•	-16.2	97.0
	8160.	•	24.	83.0
	1614.	•	;	ò
	5787.	•		
	7677	•		
20n.0	40654.6	-42.7		
	4523.	62.		
	6585	-65.		
	7889	68		
	9653.	•		
	52698.1	•		
	4517.	•		
	5167.	-72.2		
	5433	•		
	7493.	-		
78.9	59259.7	-65.1		
	1682.	•		
5	406	-60.8		
58.1		56.		
ċ	964	1.8.H		

•

5EQDLTIC_COUNDIMATES 32-00927_LAT_046 136-40591_EQU_CFG

STOTIFIC/UT LIVEL JATA

PUSEPLANDES

FOUTPACCHOINT

TABLE 7

CON'T

TEMPLANDURE

NELL

RIFE DEMPOITI PERCI

STATION ALTITUAL 3412.75 F FT ASL 30 SEP. 82 ASCENSION NO. 97

RELEGION.

PRESSURL GFO 4 Told ALTIPOLE GILLIHARS MSL FEET

-56.7 41.1 72727.3

11

STATION ALTI 30 SEP. 82 ASCENSION 19	7UJE 3	1912.75 FEET 0700 MOT	T MSL	,	UPPLR AIR DATA 2738290U97 LAST-26/CHLKRT TABLE '8	DATA 197 HERRT 18		νΕθθΕΤΙς β2•α 136•α	32-03927 LAT 1FG 136-40591 LON 9EG
GEUMETRIC ALTITUDO MSL FEET	PRESSURE MILLIDARS	TEMPE AIM DEGREFS (TEMPERATORE AIN DEMPOSIST EGREFS CENTIGRADE	KEL HUM. PERCENT	DENSITY GMZCÜBIC METER	Section of Solution Name of Solution of So	HALLETON SE	SPEED KNOTS	Ituae X OF REFRACTION
1412.7	974.4	0.01	18.0	ु कुछ	1.67.94	fred.	0.002	0.0	1.000313
0.000.0	871.7	•			10301		1951	6.7	1.000310
4500.0	850.5	2001	14.6	70.4	1910.0		186.0	11.3	1.000249
5000	841.5	18.6	12.9	7.60	99991	_	173.0	16.2	1.000249
5500.0	820.6	17.5	12.4	71.4	984.C	_	170.4	21.2	1.000284
6.0009	814.1	16.4	11.9	74.47	970.0	-	1,0,1	21.1	1.000279
1.0007		7 4 4	7	70.0	1.456	00000	101	20.0	1.000200
7500.0			0	9	922.00		102.2	29.8	1.00025.8
90000		14.8	6.9	59.5	910.1	_	182.9	30.8	1.000248
8500.0		13.8	6.4	54.4	897.6		184.0	28.4	1.000240
9000.0		12.7	g•ŋ	54.1	484.9	_	185.4	26.8	1.000237
9500.0		11.5	æ•=	63.1	872.4		180.0	25.9	1.000235
10000.0		10.4	T • h	67.6	9.098		7.691	25.2	1.000232
10500.0		9•6	2.3	£1) • 4	847.3		191.6	24.5	1.000223
11000.0		8.3	1.5	62.2	835.9		193.1	55.6	1.000219
11500.0		6.9	9.	F4.0	824.7	653.1	72067	20.0	1.000215
12n00.0		5. 6		65.9	813.7		6117	20.5	1.000210
12500.6		4.2	-1.2	67.7	802.8		215.7	21.1	1.000206
13000.0		3.1	• () • -	76.7	5.001		214.0	22.4	1.000205
13500.0		2.1	~	87.5	6.97/	_	20/11	24.6	1.000205
14000.0		.	• • 5	91.0	5.191		5.107	5.7.	102000-1
14500.0		3 m	2.5	6.46 6.46	1.707		20.00	32.8	7.50001
1.500.0		7.		90.0	7.46	240	7.001	100	0010001
16000.0	5,1,8	-2.6		0.85	700.0		197.7	\$ 10 m	1.000186
10500.0		-3.0	2.6.	98.0	708.5		198.5	47.6	1.000183
17000.0		-3.B	0 • 1	98.2	6.069		197.5	48.9	1.000179
17500.0		-4.2	さ・ま	98.4	6.484 · B	•	19005	49.2	1.000175
18000.0		-4·7	6•4-	98.6	676.9		1.461	47.7	1.000172
18500.0	c•01c	-5-1	5.5	2°86	561.2	_	192.9	. C.	1.000169
19000.0	2000	-2.6	-2.1	C . 0 .	7.550		7.761	, o	1.000166
19500.0	6.064	0.7-	-7.2	98.3	8.04Q		19201	0.0	1.000162
20000.0	4 · 1 8 4	-8.2	2.A.S	98.1	4.154		1,75.1	45.2	1.000158
.05ng.n	472.1	-9.5	±•€-	98.0	4.1.64		101.4	43.7	1.000155
21000.0	462.9	-10-1	1.01-	98.0	611.7	_	1,40.5	'n.	1.000151
21500.0	6.534	-)1.0	-11-3	98.0	001.00		7.697	4.0.4	1.000148
22000.0		-)11.	-11.9	0.86	9-160		0.607	T • / • ;	1.0001
22599.0	> 20° 5	1504	9.21-	2 7 2 7	5725	1.629	2 · 25 ·	20.00	7+1000 T
200000	121	7.7	0 1 1	•	u		• • • • • • • • • • • • • • • • • • • •	•	0.4000.4

12. 07	60	2.75 FFFT 0700 MDT	7 ² 56.	- :	$x_0 < \infty$	K T K		% 6 CODE T 1 32 . 1 36 . 1 36	6E0DETIL COUKUINATES 32-89927 LAT DEG 136-40591 LOM DEG
TEMPERATUPE AIR DEWPOINT	TEMPERATUPE AIR DEWPOINT	JERATUPE DEWPOINT	$\approx J$	REL.HIM. PFPCENT	ب د	SPEEL OF SOUND	DIRECTION DATA	JPEED	INUEX OF
MILLIBARS DEGREES CENTIGRADE	DEGREES				METER	N015	(IEGREES IN)	S I ON Y	KEF RACT 10N
-14.0 -14.3	4.0 -14.3		91	94.6	562.5	627.7	191.5	50.2	1.000137
1.51- 5.1	1.51- 5.1		jan (97.3	553.0		193.0	50.5	1.000134
6.0IL 0.0L	D*************************************		ָר ל	1000	5.43.7	0.000	1.157	F 64	1010001
0.41	0.41 +0.0		, 6	7.70	0.000	_	196.5	47.5	1.000126
7-61- 5-81-	3.61 - 19.6		6	7.16	517.3		197.6	47.4	1.000123
-20.6	-2u•6		49	.7	508.8		199.6	48.1	1.000120
-20.3 -21.8	-21.8		87.	7	5005	_	202 • 0	49.4	1.000118
-21.2 -23.0	-23.0		85	y.	492.3		504.0	50.8	1.000115
-22.2 -24.2	-54.5		83	بو	484.3		204.0	52.1	1.000113
7 -23.3 -25.5	-25.5		81.	σ	476.4		504.9	33.5 13.5 1	1.000111
9 -24.5 -26.9	-56.9		90.	n	468•B		3·40×	54.9	1.000109
25.7 -28.3	-28-3		7.0	۲.	461.5		0.400 0.400	36. 3.	1.000106
321.1 -26.9 -29.7 77.5 314.4 -28.1 -31.1 75.5	-29.1		1	V	404.0	611.5	702	0.00	1.000104
1,10 1,000 1,100 1,000	110-1		74	, _	9.664		205.4	61.4	1.000100
-30-5 -33-8	-33.8		72,1	. 4	432.6	-	205.4	64.4	1.000099
295.0 -31.7 -36.0	-36.0		65.4	* * :	425.5	_	202.5	67.6	1.000001
-33.0 -38.6	-38.6		56.7	* 1	416.5		204.5	71.5	1.000095
V-161 1-760	141.0		, 0 , 0		0 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	6002	7.4.0%	76.9	1.000091
270.3 -36.6 -47.6	2011		000	*	398.1		202.7	78.6	1.000089
264.5 -37.9 -51.5	-51.5	51.5	22.	*	391.5		202.2	80.8	1.000088
-39-1 -56-5	-56.5		13,	3,6++	385.1	-	501.9	83.1	1.000046
25.5.2 -40.3 -65.1 5	-65.1 5	r.	'n	**0*	376.7	594.5	202.0	86.2	1.000084
	0.11.0				366.3		203.5	91.7	1.00082
	3.73				360.5		704.0	94.5	1.000080
	-45.6				354 • 1		204.6	97.5	1.000079
	1.94-				347.8		202.b	101.0	1.000077
	-47.8				341.5		2002	104.8	1.000076
	0.6%-				335.4	-	c 07•1	100.6	1.000075
	-60.1				325.4	581.H	207.6	112.1	1.000073
·	-51.2				323.6		4.80Z	113.2	1.000072
Ī	- L. C.				317.6		7.602	114.0	1.000071
	0.00 m				312.0		210-1	114.1	1.000069
	7.4.7				306.3		211.0	114.8	1.000003
	-45.9				300.7		212.1	115.9	1.60006.7
•	-4.7.1				295.2		-	116.5	1.000066
178-7 -58-3	-58.3				289.4		24501	116.3	1.000065

** AT LEAST ONE ASSUMED RELATIVE HIBIDITY VALUE WAS USED IN THE INTERPOLATION.

9ΕΟDETIC COORDINATES 32-#9927 LAT DEG 136-40591 LON DEG	INUEX OF HEFRACTION	1.000063	1.000062	1.000061	1.000060				Shoon	#C0000 .	1.000052	1.000050	1.000049	1.000048	1.000047	1.000046	1.000045	1.000044	1.000043	1.000042	1.0000.1	1.000040	1.000039	1.000038	1 - 000035	1.00003	1 - 000033	1.000032	1.000031	1.000030	1.000030	1.000029	1.0000¢#	1.000UZA	1.000027	1.000026	1.000025	1.000025	1.000024
6 <u>EODETIC COO</u> 32.н9927 136.40591	PEED NOTS	113.4	109.2	104.3	100.7	98.0	96.3	92.6	9.00 0.00	7	92.68	86.9	84.3	H2.1	H0.0	77.8	75.5	72.7	70.1	67.6	5.49	61.5	55.8	48.	20.0	2000	10.5	17.6	17.7	20.8	23.0	24.6	26.5	57.9	30.0	30.0	26.5	20.3	14.1
	WIND DATA DIRECTION S DEGREES(IN) K	217.4	220 • 0	223.1	250.5	228.9	230.3	250.6	2.002	2	228.1	225.9	222.7	220•3	<18.1	<10.3	0.615	221.2	223.4	245.5	557.0	250.1	255.9	2.662	0 M	200	505.0	248.5	228.3	708.0	197.4	189.9	168•6	10001	180.c	165.2	161.0	7.0.1	742.0
u,TA 1/ IERRY	SPEED OF SOUND KNOTS	569.4	156.ZeH	566.2	565.0	563.9	562.13	261.7	560+3	228.8	55/65	557.1	556 · B	555.9	554 • 7	553.5	55203	551.1	549.8	549.6	550+1	550.5	551.0	551.9	558.2	90,600	26.4	565.0	56401	563.3	562.4	562+3	563.0	565.7	564.3	565+0	565.6	560.1	90096
UPPLR AIR D., TA 2730290097 EAST-24/CHERRY TABLE 3 Cont'd	્ડ્	284.5	279.3	274.3	260.7	263.1	257.7	252.4	**/ 52	0.747	231.6	220.3	220.8	215.9	211.4	206.9	202.0	196.3	194.5	189.4	184.2	179.2	174.3	169.5	161.3	151.4	147.0	142.6	139.5	130.5	133.6	130.4	120.9	123.5	120.4	117.0	113.9	111.0	108.1
5	KEL.HUM. PERCENT																																						
12.75 FEET MSL 0700 MUT	TEMPERATURE AIR DEMPOINT DEGREES CENTIGRADE	-49.5	-60.7	-61.9	-62.8	-63.6	5.43-	-65.3	-66.3	t-/91	168.5 168.5	-68-7	-68.8	-69.5	4-04-	-71.3	-72.2	-73.1	-73.9	-74.1	-73.8	-73.4	-75.1	-72.4	-(,7.8 - (,7.8	0.071	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- C.	-1,3.5	-04.1	8.4.8	6.4.9	n・オゾー	- 63•8	-63.3	- ₆ 2.8	-62.4	-62.0	-61.6
Ս _{ՍԸ} 39:	PRESSURE MILLIBARS	174.5	170.3	150.3	166.2	158.3	154.4	150.6	Ithe 9	7.00	139.7	13.2.8	129.5	126.2	123.0	119.9	110.9	113.9	111.0	108.2	105.4	102.7	- 10 m	47.5	95.1	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S. W.	30.1	84.0	91°9	6.61	78.0	76.1	74.2	72.4	9.07	600	0/•3	9•59
STATION ALTITUDE 30 SEP. 62 ASCENSION 1.0.	GEUNETRIC ALTITUDE MSL FEET	9.3500.0	2,00044	44500.0	45000.0	45500.0	40000.0	46500.0	0.0007 4	J.00c.	48500.0		49500.0	50000	50500.0	51000.6	51500.0	52000.0	22500.0	53000.0	53500.0	54000.0	54500.0	55000.0	55500.0	200000	2,000	57500.n	58000.0	0.00cac	59000.0	595nn.n	0.00000	0.0200	01000.n	61500.n	65000.0	62500.0	63000°C

ווסמ ידו	ITUUE 39	STATION ALITIDE 3912-75 FEFT 45L	_	UPPLR AIR DATA 2730290097	naTA 197 14. pp. c		4E00ET1	GEODETIC COORDINATES
7 70 75	10. 97	6		TABLE 8			136.	136.40591 LON DEG
GFUMETRIC	PRESSURE	TELFERATURE	REL Hara.		SPEED OF	MIND DATA	1A SPE F D	INUEX
MSL FEE 1 &	RILLINARS	ä		METER	NOTS	_	KNOTS	HEF HACTION
3500.5	9.49	-61.2		10.01	567.1	114.7	12.1	1.000023
0.000049	62.5	8.00-		102.6		88.5	12.8	1.000023
04500.0	61.0	9.6-		3.66	569.3	79.0	12.1	1.000022
9,90000	9.60	-1,8.3		9006	571.1	70.9	11.6	1.000022
0.5000	56.1	6.93-		95.7		5.00	12.8	1.000021
0.0000	56.8	2.1.5		916		62.7	14.3	1.000020
06500.0	55.4	-47.5		7.5K		61.0	16.4	1.000020
07000.0	54.1	-57.8		87.5		6.80	19.1	1.000019
07500.0	52.8	-48.1		85.E		24.0	22.7	1.000019
	51.6	4.8.4		A3.6		53.5	54.9	1.000019
0.00	50.3	7-6,8-7		J•18		53.9	25.3	1.000018
690ng.6	49.1	-58.6		7.9.6		60.2	21.3	1.000018
6.6	48.0	4.8.4		77.6		78.6	14.9	1.000017
0.0	40.8	-58.1		75.5		95.1	13.6	1.000017
00.0	45.7	-57.8		0.7		107.0	14.0	1.000016
0.5	9.77	-57.6		72.2		91.4	19.4	1.000016
71500.0	43.6	-57.3		70.4	574.5			1.000016
72000.0	42.6	-57.1		9.89				1.000015
0.00	41.6	-1,6.8		5•99				1.000015

STATION JETHTOLE 30 SEP . "? ASCENSION NO.	ur 3922-75 FEET 15L 0750 Mui 97	JSE 1	Ē	HANGLTORY LEVELS 2730293097 EAST-28/CHLHRY TABLE 9	FVELS 97 HERRY		0E00ETIC COOMDINA.FS 32+H9927 LAT DEG 136+40591 LOH DEG
	PRESCURE GE	PRESCURE GEOPOTENTIAL	TEMPERATURE	SRATINE OF SOUTH	net. Hum. Pere Fat	184	AIND DAIA CIION SPEED
	MILLINAKS	FEET	UE GREFS C	DEGREFS CENTIGRADE		_	
	0.000	4713.	19.2	13.2	68.	176.8	13.4
	0.003	6417.	15.5	11.4	77.	178.8	22.0
	750.0	8217.	14.3	6•0	57.	185.4	24.7
	200.0	10118.	10.6	6.5	-65	189.8	25.1
	656.0	12127.	5.2 S	5.5	6 6.	214.0	20.3
	v.009	14256.	٠.	۲۰۰	93.	200.0	30.5
	550.0	16533.	-3.2	3.5	90.	190.4	47.8
	500°	19001.	-5.6	F-5-7	•66	192.2	46.7
	450.0	21684.	-11-3	-11.5	•86	189.0	2.94
	0.001/	24628.	-15.8	-16.2	.16	104.4	2.64
	350.0	27895.	-22.1	1.42-	84•	5.400	52.0
	ปี•บับ:	31552.	-30.8	-34·2	72.	505.4	1.5.1
	750.0	35710.	-41.0			202.1	8.13
	200.0	40557.	-52.7			4.500	114.0
	175.0	43343.	-59.4			217.1	113.8
	150.0	46461.	4-59-			230.5	9.56
	125.0	50054.	6.69-			219.0	61.3
	100.0	54351.	-73.1			435.4	55.9
	80.0	58788.	-64.7			198.1	22.8
	70.0	61472.	-62.6			184.0	28.9
	მ•09	64612.	-59.7			74.1	11.7
	50.0	68384.	-58.8			54 • 1	25.4

** AT LEAST ONE ASSUMED RELATIVE HIMITOITY VALUE WAS USEN IN THE INTERPOLATION.

6E0DETIC COOKNIMATES 32.88497 LAT 0.46 106.49714 LON 0.EG	·				
A 1 A	REL·HIM. PERCENT	883.0 68.0 0.0 0.0 0.0	96.0 94.0 94.0 88.0 79.0	5. d	
STRUFFICANT LEVEL DATA 2730220024 HK 30 TABLE 10	TEMPERATURE AIR LEWFOLRI DEGREES CENTLORAUE	24 25 25 25 25 25 25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9. 7. 7.	
Stanff 2 186 186 T	TEMP AIR DEGREES	######################################	111111111111111111111111111111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	171.0 164.8 161.5 157.9 158.0 178.6
પ ્રા	E GEOMFTELC ALTITUDE S MSL FEET	4010.4 4A11.0 7357.9 16217.1	14066.7 16016.9 19134.3 23073.5 24806.6 28940.0	35987.0 37968.1 40895.8 45538.0 46874.7 50018.4	54612.3 54884.7 55905.7 57003.3 60464.3 62165.2 64796.4 66378.8
ION ALTITULE 4610.40 FEET NSL EP. 82 451.11 110. 24	PRESSURE "ILL IBARS	874.4 850.0 776.4 786.0	666.22 66.35 66.35 66.35 66.65	250.00 228.8 208.0 169.2 150.0	101 1001 905 005 005 005 005 005 005 005 005 005

UPPLE AAR DAIA	2730220024	1.0 mg/l
	PATION ALTITUDE 4010. NO FEET USL	30 SEP. 42 0845 MIT

PRESSUPL HILLIDARS	TEAPE LIR DEGREES C	TEMPERATUME R DEMPOINT EES CENTIGRADE	Religions, U	1 1 1 1 1 1 1 1 1 1	SPEEL OF SOUND KLOTS	**************************************	14 SPEEU KNOTS	INUEX OF REFRACTION
A74.4	ان - -	15.05	er G	40.70	0.67.0	0.07	o•	1.000310
8 to 18	7.47			1111	1.68.1	2.40>	5°-3	1.000306
04.4.3	4	ر د د د د د د د د د د د د د د د د د د د	81.0	10000	0.300	167.4	9.1	1.0000300
4.500	6.21		74.	1. * CH.	1.6.7.1	161.2	13.5	1.000242
8 4 1 4	17.3		75.1	9701.0	> 0000	7.001	10.1	
800.4	100	2.6	73.4	950.0	6.099	7.691	14.3	1.000275
7,00.3	10.0	1:1.7	70.	941.6	6.494	> 00.1	13.0	1.00026-6
772.4	5.5	3.6	., 69	0-150	0.63.5	1661	12.7	1.000201
758.5	0.4.	J.	71.	915.0	662.0	190.4	12.4	1.000250
744.9	12.8	C.	73.4	₩• 7,00	9.609.	194.5	13.0	1.000252
1.6	11.7	7.64	75.3	7. · · · · · · · · · · · · · · · · · · ·	1.3.3.6	198.3	13.5	1.000247
4.5	10.5	6.07	77.2	0.174	657.00	c0105	14.8	1.000242
705.5	9•3	5.9	72	1.60.48	650.4	203.5	16.1	1.000237
۲۰۶	8.2	5.5	6.1.3	P5.5.4	655+1	503.9	16.3	
0∙0⊓9	7.2	6•11		6.6119	053.9	n•±0≥	16.3	1.006229
9.299	6.2	J •	94.	2,000	1.26.1	199•0	3.91 3.0	1.000275
٠. د د	٠. د د د	0.	91.	0.015 0.015	0 • II 0 0	7.4.5	21.6	1.0000.1
	V #	0 3 5 6	100	797.0	2 4 2 47 4	163.4	25.2	1.000213
614.7	, c	0.0	96.0	7.477	540.0	182.0	4.62	1.000209
5000	1.7	1.5	96.0	767.5	047.3	161.5	52.7	1.000204
596.8	1.0	•	2.96	755.2	4.049	161.6	35.3	1.000200
9.0	i,	Z•-	96.5	1.001	64849	161.0	38.7	1.000196
4.	7.1	æ.	46.7	731.1	9.44.4	160.5	42.3	1.0001-2
503.9	-1.1	-1.5	97.11	719.0	9.540	1/8•8	46.0	1.000188
ے• <u>۲</u>	-1.8	2 . 2-	96.8	707.6	6.240	F . D. T	6.74	1.000384
5.6	-2.5	-2.9	96.7	0.064	0.249	C.B/T	N • 83 + .	1.0001#1
532.3	-3.2	-3.7	96.5	1.484°Z	641.5	1.6/T	5.4	1.000177
٠ ٥	3.9	÷ ; ;	96°#	673.5	640.3	1000	40.	•
512.3	9.4-	-5.1	ر•96 مون•	662.5	639.4	162.2	43.1	1.000170
9•2	-5.3	-5.8	36.11	1.169	634.5	104 to	42.5	•
4.35.9	-6.0	9-9-	:0 :0 :0	641.0	h31.0	187.1	42.5	1.000163
4.504	-6.9	す。トー	9 . 66	4.029	630.7	1.691	42.7	1.000159
474.0	-7.5	2.8-	95.3	620.0	635.7	1910/	9.51	٠
ひ・せつせ	-3.3	6.41	95.1	2000	654.8	1,73.1	43.1	1.000153
455.6	0.6-	-0.7	94.8	5,94.8	633.4	193.9	64.2	1.000149
0./ 1.4	ニ・ケー	-10.5	94.5	5.485	6.3,41)	1.94.7	9.44	1.000142
30.3	-10.5	-11+3	94.3	7.11.64	0.360	195.5	44.5	.
29.8	-11.3	-12.1	J• \$6	570.6	631.1	196.0	43.7	1.000141
21.4	-12.3	-13.2	92.5	261.6	629.8	198.3	42.8	1.0001.37

STATION CLITTUM	#	10.40 Fr.	1 5	~	UPPER AIR DATA	44.45		DE ODE TIL	COORDINATES
30 SEP. 62		0845 HPT	! !		11× 30			35.	52.88497 LAT DEG
ASCENSION	₹				TABLE 11 Cont'd			106.4	19714 LON DEG
GEOMETRIC	PRESSURE	TEMP.	TEMPERATURE	PEL HIM.	DEUSITY GMZ~URIC	SPEED OF	WIND DATA	1A SPFFU	INUEX
MSL FEE !	WILLIUARS	DEGREES	CENTIGRADE		METER	NWO 15	UE GREES (14)	NIOTS	REFRACTION:
24000.0	413.1	-13.3	-14.5	8.06	552.8	658.5	2005	42.3	1.000134
24500.0	0.404	4.41-	-15.8	н9.1	544.5	627.2	505.9	45.0	1.000131
62000-0	396.3	-12·d	-16.9	87.6	535.5	626.0	203.2	45.0	1.000129
2550n.0	3,60.9	-15.3	-18.0	86.5	526.6	624.8	203.0	42.7	1.000126
25000.0	301.0	-17.2	-19.1	45.4	517.9	623.7	6.007	46.1	1.000123
20500.0	375.3	-18.2	-20.1	ಕ್ಕಾರಿ ೧೯೮೮	509.4	52.45	6.661 6.661	49.7	1.000121
27000.0	355.8	19.1	-21.2	3.58 2.00	0.100	621.3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0000	1.000118
0.00c/2	356.4 ****	0.04	5.22	92.1	7.255	2.029	7.05.	57.0	1.00011
0.00000	7.1Cc	5000	0.00		47.74	0.17	2.75	200	1,00011
29000-0	337.2	E . CC-	100	78.7	4689	616.6	**002	56.8	1.000109
29500.0	330.2	104.0	-26.9	76.6	461.3	613.1	201-1	56.4	1.000107
30000-0	323.3	-25.5	-28-4	74.5	453.9	613.7	201.0	56.8	1.000165
30500.0	316.6	4-92-	-29.8	72.4	446.7	612.2	202+1	57.2	1.000103
51000.0	310.0	-27.6	-31.3	70.3	438.5	610.7	202.5	57.6	1.000101
31500.0	303.6	-28.7	-32.1	68.2	43<.5	2.609	203.0	57.9	1.000099
32000.0	297.2	6-66-	-34 - 1	4.4	425.4	2-109	203.2	4.63	
32500.9	290.8	-31.0	-35.4	65.0	418.5	606.3	202	0.00	550000-1
35000.0	0.00 40.00 0.00 0.00 0.00 0.00	7 × × × × × × × × × × × × × × × × × × ×	-36.7	63.5	5 - 7 - to	Q • 4 Q 4	1000	0.09	1.000093
0.00000	277.5	C.C.	1 2 2 4	200	397.55	1000	#*<0<	62.8	1.000090
0.0000	256.7	35.6	7.04-	2.65	391.0	600.5	50102	9.49	1.000008
35900.0	2.0.9	-36.7	0.24-	57.8	384.4	599.1	201-1	66.2	
35500.0	255.3	-37.9	できなー	56.4	370.0	597.6	h•007	67.8	
36000-0	249.9	-39.0	-44.7	54.634	371.7	596.1	3.661	0.69	1.000084
0.0000	0 110	7.00		**********	350	0.44.0	2007	20.00	250000-1
37500.0	2.5.6	7-69-	-59.0	13.0**	35.50	591	197.5	72.1	1.000079
38000.0	224.5	0.44-	` `	•	347.3	589*8	197.1	73.7	1.000077
38500.0	223.3	-45.3			341.5	5800-1	190.9	76.4	1.00001
39000.0	210.2	72.			330 · c	580.5	7000	79.0	1.000075
9.00004	2012				324-1	1,8 ve 1	190.5	84.0	
40500.0	203.7	4.0.1			316.5	581.5	197.1	A5.1	
#100Fe2	1.99.0	-1,1.6			313.0	579.8	197.5	86.1	1.000070
41500.0	194.3	-52.7			307.1	570.4	199.5	86.9	1 • 0000to H
42000.F	1,9.7	-F3.A			301.3	577.0	>-107	87.7	1.0000ty
42500.6	1,50.2	6.45-			295.7	575.5	203.y	97.4	1.00006
43000.0	1.00-3	146.0			1.05%	574.1	> 10.7	86.3	1.000065
÷3500•0	1 70.6	-57.1			284.7	27.5.1	210.5	J • + + + + + + + + + + + + + + + + + +	1 • 000063

** AT LEAST ONE ASSUMED RELATIVE HALLDITE VALUE WAS USFER IN THE INTERPOLATION.

GEODETTL COONDINATES 32.48497 LAF DFG 1U6.49714 LON BEG	INJEX OF REFHACTION	1.000062	1.000060	1.000059	1.000058		1.000053	1.000052		1.000050		1.000047	3.00004	1.000045	1.00004.3	1.000042	1.000041		60000·1	1.000036	1.000035	1.000034	1.00003	1.00031	1.000031	1.000030	1.000029	1.000028	1.000028	1.0000.1	1.00000	1.000025	1.000024	1.000024
6E 0DE T I. 32 • • 1 U 6 •	rA SPEED KNOTS	81.9 79.1	76.1	73.7	73.57	75.0	7.7	9.3.6	86.7	84.3	80.1	73.0	0	2000	0.09	58.9	57.6	56.2	- + C	51.0	3.83	70.0	32.7	27.9	26.3	25.6	25.6	25.9	25.3	7.50	6.50	200	20.9	18.3
	MIND DATA	214.0 217.6	550.9	2.422	222.4	227.3	245.e	721.0	<10.0 <10.0	217.6	210.7	517.5	2.5	0.122	746.0	550.5	550.5	225.0	C • # 7 7	222.7	222.3	20122	217.0	212.3	203∙6	0.461	187.7	101.0	7.67	1110	17neB	178.0	174.5	161.0
A 1.00	SPLED OF SOUND KROTS	571.2 569.8	-	566.4	565.6 564.4	563.2	562.4	261.6	6.656					554.0	553.6	553.6		553.5	553.5	550 th	262.7		566.8					567.0	567.1	566.5	209.6	4 4 6 6	571.5	571.5
UPFER AIR DATA 27:50220024 RM 10 TABLE 11 Contid	DENSITY GM/CURIC METER	279.4	263.1	264.1	256.88 256.88	248.5	245.0	7.100	227.5	222.5	217.7	213.0	C.002	7.40	104.0	190.0	180.2	180.6	176.0	169.7	157.9	152.9	144.6	141.1	137.6	134+3	131.0	127.9	154.	7.161	7 - 1 1 1	11111	1044	106.3
~	KEL.HUM. PERCENT																																	
010-40 FEET MSL N345 MDT	TEMPERATURE AIR DEMPOTUT DEGREES CENTISRADE	5.8°5 5.9°5	-4,0.3	-6.1.4	162.4 164.3	-64.5	164.83	165.4 166.0	9.99	-67.2	-67.8	-68.6	-69.3	170-1	-71.2	-71.2	-71.3	5.17.	-71.3	-69•1 -66•7	-64.5	153.0 	161.0 161.0	1000	-61.4	-61.4	161.4	D-11-1	-61.2	160.2			0.7.1	-58.0
TUSE 4	PRESSURE MILLIBARS	172.4	164.4	160.5	150.6	149.1	145.4	141.3	134.9	131.6	128.3	125-1	122.0	110.9	115.0	110.1	107.3	104.6	102.0	0.10	9++6	92.3	0.05 6.70	85.7	63.7	91.6	79.7	71.7	75.9	74.1	4.07	0 4	247	9•49
STATION ALTITUGE 30 SEP. 82 ASCENSION 110.	GECHETRIC ALIITUDE MSL FEET	0.00044	45000.0	45500.0	46000.0		47500.0	43000.0	43000.0	49500.0	50000.0	20200	21000.0	52000.0	52500.0	53000.0	53500.0	54000.0	54500.0	55500.0	0.00000	0.00595	27500.0	0.00000	5.450C.P	29000.0	29500.6	60000g	0.00500	0.00010	0.00044	0.00020	0.5000.0	•

STATION ALTITUDE	ان عا	4010-40 FLET "SL	~	UPFLU ALR UATA 275024	147A		VEODETT	GEODETIC COGGINATES
30 SEP. C2 ASCERSION NO.	N	0845 MDT		77BLE 11 Cont'd			106.0	32-88497 LAT 1.E 6 106-49714 LON 1.E 6
GEOMETRIC PRESSURE	PRESSURE	TEMPERATURE	REL HIM.	DENSITY SPLEU OF GMZCURIC SOUND	SPLEU OF SOUND	"INECTION SI	ra SPEEU	INUF K OF
MSL FEE!	HILLIBARS	DEGR	; ;	METER	KNOTS	DEGREES (TW)	KNOTS	HEFRACT101
0.0000	144.1	0-84-		103.6	571.5	183.2	15.8	1.000023
0.000	4.2.4	-57.7		101.2	8116	177.0	12.1	1.000023
0.00040	51.1	2.1.5		99.5	572.h	165.0	8.7	1.000072
0.00449	7.44.7	- 66-6		9.7.6	573.4	137.6	7.5	1.000021
0.0000	7	0.93		4.00	574.1	106.7	8.5	1.000021
55500	6434	1556		91.1	574.b	94•0	10.1	1.000020
0.0000	7,7	2.6.1		Ay.	573.B	95.6	11.7	1.000020
0.00574	5.4.5	-56.57		87.3	573.1	7.46	12.4	1.000019
0 - Gudan	,)	W. C. C.		4.00	4.276	102.5	12.1	1.000019
5.00.5	7-1-5	- 5-1-5-1 - 5-1-5-1		9.3.6	571.7			1.000019
0.00060	50.5 50.5	4.00		81.9	570.9			1.000018
A4500.0	E 6 3	- 18 B		6.67	571.1			1.00001#
70000-0	48.1	-57.7		71.8	571.8			1.000017
	•)						

ON ALTITUDE 4010.40 Feet 65L F. 42 SICM 40. 24 0845 MDT PRESSURE GEOPOT MILLIFARS FEE 800.0 65 800.0 102 750.0 122 600.0 124 750.0 124 750.0 124 750.0 124 750.0 124 750.0 124 750.0 145 750.0 145 7	55.00 0 5.61 MDT	FENTIAL 000 0014. 0014. 0006. 0004.	TABLE 12 27302601 19.30 TABLE 12 TEMPERATURE AIR DE-DOINT 16.6 11.4 15.5 4.7 1.8 4.7 1.8 4.7 1.8 4.7 1.8 4.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	الاي جد	# KEL HUM. PERCENT 73. 73. 73. 73. 90. 90. 90. 90. 67. 67.	191.7 191.7 191.7 191.7 191.7 191.7 191.7 191.7 191.7 191.7 191.9 191.9 191.9 191.9 199.1 5.57.9	UE OUL TIC COOKUINATES 32-68497 LAT DEG 106-49714 LON DEG 14.3 14.3 14.3 19.3 19.3 19.3 19.5 48.2 42.6 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0
N 5 5 6 6 6	60.0 60.0 60.0 60.0		-68.6 -69.6 -57.9 -56.7				25.55 25.55 7.55 7.57

9E00FTL COMOTHYTES 52+nd497 LAF 1EG 106+49714 LON 3EG	Inst x or REFRACTION	1.000023	1.000023	1.000022	1.000021	1.000021	1.000020	1.000020	1.000019	1.000019	1.000019	1.000018	1.00001#	1.000017
0£00FT) 52- 106-	TA SPEEU KROTS	15.8	12.1	7.0	7.5	8.5	10.1	11.7	12.4	12.1				
	"AND DATA LITRECTION S LLEGREES (TA) K	183.2	177.0	165.6	137.6	100.7	96.0	92.8	94.1	102.3				
स म्	SPEEU OF SOUND KNOTS	103.6 571.5	3/1.8	176.6	573.4	574.1	574.0	573+H	575.1	572.4	574.7	6.073	571.1	571.8
UPFER AIR CATA 275026 UO24 NW 30 TABLE 11 CONTIG	()	103.6	101.2	96.5	9.0.6	4.56	01.1	89.C	A7.3	A13.4	93.6	6.19	4.67	77.8
-	REL HAM.													
4010-10 Fr 5L 0845 ADT	PRESSURE TEMPERATURE AIR DEMPOINT AILLIBARS DESKEES CENTIGRADE	-7B•0	7.7	-4.7.2	9•9	-5,6.0	5.6	6.2	7-9	7.3	7.8	158.4	15.8+3	-57.7
N	PRESSURE A ILLIBARS DES	1.40					6.03							
STATION RETITURE SA SEP : r2 ASCENSION NO.	GFOMETRIC F ALTINUL MSL FFEI H	3.00000	0.00000	9.00nc9	7.00.20	0.00000	0.003ad	0.00070	0.60570	9.0000g	511500 · 0	0.00060	69500.0	70000

veOPETIC COORDIHATES 32+0+927 LAT PEG 136+4US91 LOR DEG	KEL, HUM. PEKCE, 1		٥.	י.) 3	, a.	.	0•	9	0.	0.	3.	9.	n•	n.	ŋ•	0.																	
4140 1	KLL, PEK(96.0	0.47	0.56	82.0	78.0	76.0	78.0	32.0	76.0	70.0	0.70	65.0	01.0	57.0	0.46																	
SIGNITOUT ELVELONA PAUPO0009. FAUTOCOLORGI TABLE 13	TEMPLRATURE IR DEMPOINT	DECRETS CENTIONAL	10.5	15.6	11.8	g•2	-1.5	3.4-	3.4	-7.1	-10.0	-10.9	-2.1.0	-2.5.6	7-42-		-40.1																	
STGULL TO	TE SIP.	5 1305 10	17.5	16.6	13.1	± €	1.9	-1.1	ا- د د	-4. C	-6.8	-12•6	-16.3	-18.7	-23.1	-30.6	-34.1	2.04-	-42.7	-44.5	1	-60.1	-60.1	-65.5	-65.7	-67.4	-71.1	-72.2	-71.1	-62.1	6.65-	158.4	4.000-	¥•/5-
,1SL	E GFOMETHIC ALTITUDE		3912.7	4767.3	6237.3	10099.0	12449.1	13879.6	14937.7	16896.4	18936.2	22723.5	24575.0	26193.1	29551.4	31525.3	32195.6	35705.5	37155.4	38n03.3	38219.3	43577.1	44325.2	46554.5	47317.1	48675.1	50400.8	53708.5	54528.4	60485.7	61661.1	65733.1	68623.B	70668.9
3912.75 Fe _l T MSL 8 8	PRESSURE	A.ILLIBARS	876.3	873.2	806.3	700.0	641.1	607.3	583.3	541.1	500.n	430.B	460.0	374.6	340.0	390.0	281.6	250.0	234.3	225.5	223.3	173.6	167.4	150.0	144.4	134.9	121.1	104.3	100.0	72.7	70.0	57.5	50.0	45.3
STATION ALLITULE 3912 30 SEP. &2 ASCENSION NO. 98																																		

TABLE 1A MIND DATA MAND	STATION ALTITUDE 3912 30 SEP. A2 (~	12.75 FEE.T MSL 0930 MÜT	T MSL	-	UPPER AIR DAIA 273029U993 EAST-20/CHERRY	DA LA 90 HERRY		0E0DLT1 32•	GEODETTE COOMUTHATES 32-89927 LAT DEG 136-40591 100 056
REL.HUM. DFRSITY SIEED OF MIND DATA MIND DATA IN PERCENT GM/CUBIL JOUND JIRCTION SPEED O One.0 1041.0 LOLOS LED OF C O I <t< th=""><th>0</th><th></th><th></th><th></th><th></th><th>TABLE</th><th>V1</th><th></th><th>• 001</th><th></th></t<>	0					TABLE	V 1		• 001	
76.0 10.00.0 1	NPE.	NPE.	ū	TEMPERATURE	REL. HUM.	DENSITY	SI LEU OF	MINL DA	1 A	INDEX
76.0 1041.0 600.9 220.0 6.0 174.2 104.2 104.2 104.2 107.3 664.9 170.1 16.9 173.1 173	AILLIBARS DEGREES CEN	AAN DEGREES	ۺؖۊ	WPOINT ITIGRANE	PERCENT	GMZCURIC METER	SCOULD KNO I S	UIRECTION LEGREES (TN)	SPEED KNOTS	OF REFRACTION
94.2 1041.7 665.9 211.6 6.6 94.7 1010.3 664.9 145.9 11.3 11.3 95.7 1010.4 664.9 172.1 16.9 11.3 95.7 1010.4 664.9 177.3 16.9 11.3 92.3 96.2 664.9 177.3 16.9 11.3 92.3 96.2 664.9 177.3 16.9 11.3 92.3 96.2 662.9 177.3 16.9 11.3 11.3 90.0 96.0 659.0 197.0 12.0 11.7 11.3 11.7 11.7 11.4 11.7 11.4 11.7 11.4 11.7 11.4 <	876.3 17.5	17.5		16.9	96.0	1041.0		220.0	6.0	1.000318
94.0 1070-5 664-9 165-9 11.3 193.7 1010-9 664-9 176-1 16-9 11.3 193.7 1010-9 664-0 176-1 16-9 11.3 193.7 1010-9 664-0 176-1 177-3 194-0 195.1 197-1 19	_	16.7		15.8	2.46.	1041.7	-	211.6	9.9	1.000313
93.7 1010.9 664.0 1/6.1 16.9 93.7 90.0 662.9 172.1 21.7 92.3 967.5 060.0 192.0 172.1 18.1 90.0 953.7 059.3 192.6 12.8 18.4 953.7 059.3 192.6 12.8 18.7 990.0 050.1 197.0 12.2 1 18.8 980.1 050.9 203.4 9.5 1 18.9 980.1 050.9 203.4 9.6 1 18.9 980.2 12.9 10.5 203.4 9.6 1 18.9 980.2 12.0 12.0 12.0 12.6 1 18.8 861.9 050.8 223.4 9.0 1 17.2 78.6 83.1 040.9 203.4 193.9 1 17.2 77.2 040.0 040.0 190.9 1 17.2 77.2 040.0 040.0 190.9 1 17.2 77.2 040.0 040.0 190.9 1 17.2 75.4 041.9 170.1 100.9 1 17.2 75.4 041.9 170.1 100.9 1 17.3 062.4 030.2 170.1 170.1 140.0 1 17.3 062.4 030.1 170.2 51.8 1 17.3 062.2 030.4 030.4 170.1 17		16.0		15.0	0.44	1020.5	•	145.9	11.3	1.000306
93.0 93.0 93.0 93.0 93.0 94.3 967.5 967.5 967.5 197.6 118.1 117.6 118.1 117.6 118.1 117.6 118.1 117.7 116.1 117.7 116.1 117.7 118.1 117.7 117.5 118.1 117.7 118.1 117.7 117.5 118.1 117.7 117.1 117.5	842.9 15.2	15.2		14.2	93.7	1010.9	_	1,6.1	16.9	1.000299
922.3 922.3 922.5 922.5 900.0 11.3 967.5 967.5 960.0 11.7 11.7 11.7 11.7 11.7 11.7 11.7 1	27.9	す。 さ。 さ。		700	63°0	2.066		1/2.1	21.7	1.000292
91.53 91.53 91.53 91.53 91.53 91.54 91.55	13.5		_ `	· · · · · · · · · · · · · · · · · · ·	92.5	1.136	_	0.11	19.1	1.000273
140.11 993.1 172.0 172.0 147.4 993.1 193.2 11.7 147.4 920.5 650.6 203.4 9.5 147.8 970.5 650.6 203.4 9.5 15.4 970.5 650.6 203.4 9.5 15.3 887.2 653.7 214.8 7.2 15.3 860.9 650.8 223.4 9.0 16.3 874.1 649.6 211.0 12.6 17.2 874.1 640.9 211.0 12.6 17.2 77.2 790.2 640.4 189.4 24.9 17.2 77.2 76.5 176.9 176.9 19.9 17.2 77.4 640.4 176.9 19.9 1 180.2 77.2 79.1 140.9 176.1 44.9 180.2 77.2 76.4 640.4 176.1 44.9 180.2 76.4 640.4 176.1 44.9 180.2 76.4 640.4 176.1 44.9 180.2 <td>0.061</td> <td></td> <td></td> <td>2.[]</td> <td>6.16</td> <td>0.00</td> <td></td> <td>7 107</td> <td>100</td> <td>11700001</td>	0.061			2.[]	6.16	0.00		7 107	100	11700001
17.4 92.0.5 127.0 127.4 127.4 127.5 127.	0.1	=4	-	0.0	5 P	933.4		3.761	0.21	
17.4 972.5 650.6 670.5 11.7	10.6				28.6	0.0		0.47	75.5	
60.0.1 (1.0.2) (2.0.2) (2.0.4)				0 :	***	0.026		C • D 0 2		1.000200
64.65 9101.1 654.5 7.2 1.6	D (÷ (100	2.000		F 1007	, r	642000 T
63.56 687.52 555.0 7.24.0 7.7 1 62.3 667.5 551.7 221.1 7.7 1 80.5 667.9 651.7 221.1 7.7 1 80.5 667.9 651.0 221.1 1<	9.			· •	2+•Q	T • 606		1007	0 . 1	1.000243
82.3 874.5 551.7 223.4 9.0 81.3 860.9 550.8 223.4 9.0 80.5 847.4 560.8 223.4 9.0 79.6 834.1 500.6 16.2 16.2 78.8 821.0 500.6 16.2 19.9 77.2 790.2 645.4 165.9 20.9 76.5 784.4 644.4 165.9 20.9 76.2 784.4 644.4 165.9 20.9 76.5 784.4 644.4 165.9 20.9 76.5 784.4 644.4 165.9 20.9 76.5 756.1 640.4 176.1 40.9 76.1 77.5 36.1 176.1 44.8 81.2 785.4 640.1 176.1 44.8 1 81.7 667.4 640.1 175.8 51.8 1 81.7 667.4 637.4 637.4 637.4 637.4 637.4 73.4 667.4 637.6 637.6 637.6 637.6	6.6		J	c:	33.6	587.5		214.8	7.2	1.000237
81.5 9680.9 550.8 211.0 12.6 11 80.5 834.1 540.8 211.0 12.6 11 12.6 12.6			<u>ر</u>	æ (42.3	3.478		221.1	1.1	
80.5 647.4 649.6 211.0 12.6 1 79.6 834.1 646.9 200.6 16.2 1 77.9 802.1 648.0 191.8 19.9 1 77.2 79.2 645.1 185.9 20.5 1 77.2 772.2 645.4 185.1 30.0 1 77.2 772.2 645.4 185.1 30.0 1 77.2 774.4 642.9 177.5 38.1 1 732.4 641.9 176.1 44.8 1 80.2 769.0 640.1 176.1 44.8 1 81.2 769.0 640.1 176.1 44.8 1 81.2 673.9 637.1 175.2 51.8 1 73.4 651.2 630.4 63.5 1 75.9 661.2 630.4 63.5 1 75.9 661.2 630.4 63.5 1 75.1 669.2 630.6 7 70.1 589.2 630.6 7 70.1 589.2 630.6 7 70.1 579.5 629.7 629.7 629.7	£ •			6	81.3	6.048 6.176		263.4	0.6	1.000226
79.6 834.1 046.9 200.6 16.2 17.9 88.8 821.0 048.0 199.8 19.9 19.9 17.2 77.2 045.0 185.9 20.5 19.9 17.2 77.2 645.4 185.1 185.1 30.0 17.2 77.2 645.4 185.1 185.1 30.0 17.2 77.2 645.4 185.1 176.1 40.8 17.2 77.2 77.2 641.9 176.1 40.8 17.2 77.2 77.2 641.9 176.1 40.8 17.2 77.2 641.0 176.1 40.8 17.2 77.3 662.4 639.2 175.2 51.8 175.9 651.2 630.4 77.3 662.4 637.1 75.9 651.2 630.4 77.3 662.4 637.1 75.9 651.2 630.4 77.3 662.4 637.1 75.9 651.2 630.4 77.3 662.4 637.1 75.9 679.4 63.5 77.3 679.2 630.4 77.3 679.2 630.4 77.3 679.2 630.4 77.3 679.2 630.4 77.3 679.2 630.7 77.3 679.2 630.7 77.3 679.2 630.7 77.3 679.2 630.7 77.3 679.2 629.7 651.6 670.4 651.2 650.4 651.2 650.4 651.2 650.4 651.2 650.4 651.2 650.4 651.2 650.4 650	1 to 1		_	•	80.5	847.4		211.0	12.6	1.000221
78.8 861.0 548.0 191.0 19.9 17.9 861.1 547.0 148.5 19.9 17.2 77.2 79.0.2 645.7 165.9 20.5 19.9 17.2 77.2 77.2 645.4 165.1 30.0 17.2 77.2 645.4 165.1 30.0 17.2 77.2 77.2 645.4 165.1 30.0 17.2 77.2 77.2 641.9 176.1 40.8 17.2 77.2 77.2 641.9 176.1 40.8 17.2 77.2 641.0 176.1 40.8 17.2 641.0 176.1 40.8 17.3 662.4 637.1 77.3 662.4 637.1 75.9 651.2 630.4 77.3 669.2 630.7 70.4 579.5 629.7 630.7 70.4 579.5 629.7 620.6	n.			-1	79.6	834.1		2007	16.2	
77.2 790.2 045.7 1050.9 19.9 17.2 772.2 045.7 1055.9 19.9 17.2 772.2 045.4 105.1 30.0 17.2 772.2 045.4 105.1 30.0 17.2 772.2 045.4 105.1 30.0 17.2 772.2 045.4 105.1 30.0 17.2 77.2 750.1 045.2 177.5 38.1 175.1 40.8 17.2 175.1 40.8 17.2 175.1 40.8 17.2 040.1 175.8 49.0 175.8 175.8 652.4 637.1 175.2 51.8 175.9 651.2 630.4 637.1 75.9 659.2 652.6 77.3 669.2 63.5 77.3 669.2 63.5 77.3 659.5 659.7 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.6 659.7 659.6	2.2				£ 10	0.170		0.161	7.6.4 6.6.6	
76.5 770.2 043.1 183.1 20.0 170.2 770.2 043.4 183.1 30.0 170.2 772.2 044.4 183.1 30.0 170.2 772.2 044.4 183.1 30.0 170.2 772.2 044.4 183.1 170.3 38.1 170.1 770.1 770.2 041.0 170.1 170.1 44.8 110.2 770.2 041.0 170.1 170.1 44.8 110.2 683.2 170.2 51.8 110.2 652.4 637.1 170.2 652.4 637.1 77.3 662.4 637.1 77.3 662.4 637.1 75.9 659.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.6 77.3 669.2 630.7 77.3 669.2 630.7 77.3 669.2 629.7 630.7 77.3 669.2 629.7 650.4 650.1 650	F .	£ ^	7 1	٥	7.4	700.		100.0	19.9	1.000207
76.2 772.2 645.4 185.1 30.0 177.2 772.2 645.4 185.1 30.0 177.2 772.2 645.4 185.1 30.0 177.2 772.2 645.4 177.5 38.1 175.1 40.8 175.1 770.2 641.9 176.1 40.8 176.1 40.8 176.1 40.8 176.1 40.8 176.1 40.8 176.1 40.8 176.1 40.8 176.1 40.8 176.1 697.4 640.1 175.8 49.0 176.1 673.9 637.1 77.3 662.4 637.1 75.9 651.2 630.4 637.1 75.9 659.2 630.4 635.5 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.4 77.3 669.2 630.6 77.3 669.2 630.7 77.3 669.2 630.7 77.3 669.2 630.7 77.3 669.6 650.1			. 1		76.5	784.4		14:04	0.40	1.000108
77.2 756.1 043.2 179.9 35.8 1 79.1 170.2 756.1 043.2 177.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 38.1 1 77.5 697.4 640.1 1 75.8 49.0 1 77.3 662.4 637.1 75.9 651.2 630.4 75.1 659.2 63.0 1 75.1 669.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.2 63.0 1 75.1 659.1 651.0 1 651.0	2		•	, E	76.2	772.0	2	183.1	0.05	•
78.1 744.4 642.9 177.5 38.1 179.1 80.2 720.6 641.9 176.1 44.8 176.1 80.2 720.6 641.9 176.1 44.8 118.2 720.6 641.9 176.1 44.8 118.2 720.6 640.1 176.8 49.0 18.7 18.2 682.4 639.2 175.2 51.8 118.7 73.8 662.4 637.1 75.9 651.2 630.4 75.9 651.2 630.4 75.1 673.9 631.6 73.5 619.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 632.6 72.7 609.2 630.7 70.4 6579.5 629.7 630.7 70.4 6579.5 629.7	-103		ĩ	2 E	77.2	758-1	2	179.9	35.8	
79.1 732.4 641.9 176.1 40.7 11 80.2 720.6 641.9 176.1 44.8 11 81.2 720.6 641.0 176.1 44.8 11 81.2 720.6 640.1 175.8 49.0 11 81.7 685.5 639.2 175.2 51.8 11 75.9 652.4 637.1 75.9 651.2 630.4 75.9 651.2 630.4 75.1 669.2 63.6 73.5 619.4 63.5 77.3 669.2 63.6 73.5 77.3 669.2 63.6 77.3 669.2 63.6 77.3 669.2 63.6 77.3 669.2 63.6 77.3 669.2 63.6 77.3 669.2 63.6 77.3 659.2 630.7 70.4 579.5 629.7 630.7 70.4 579.5 629.7 630.7 70.4	-1.6		•	6.4	78.1	744.4		177.5	38.1	1.000188
80.2 720.6 641.0 176.1 44.8 11 81.2 709.0 640.1 175.8 49.0 130.2 175.2 51.8 11 175.2 51.8 11 175.2 51.8 11 175.2 51.8 11 175.2 51.8 11 175.2 51.8 11 175.2 51.8 11 175.3 662.4 637.4 175.3 662.4 637.4 175.3 660.4 635.4 175.1 640.4 635.5 175.1 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 632.6 175.7 660.2 630.7 175.7 660.2 620.7 175.1 620.6 175.1 175.1 620.6 175.1 175.1 620.6 175.1 175.1 175.1 620.6 175.1	-2•4		•	5.5	79.1	732.4		176.1	40.7	1.000184
61.2 709.0 640.1 175.6 49.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3-1		•	6.0	80.2	720.6		176.1	44.8	
81.7 697.4 639.2 175.2 51.8 11 10.2 685.5 638.5 73.6 667.9 637.1 77.3 667.4 637.1 75.9 651.2 630.4 74.3 640.4 630.4 74.3 669.8 634.5 73.5 619.4 63.5 73.5 619.4 63.5 73.5 619.4 63.5 73.5 619.4 63.5 73.5 619.4 63.5 70.7 699.1 631.6 71.9 599.1 631.6 71.1 589.2 636.6 70.4 579.5 629.7	-3.9		•	9.9	81.2	70%		175.8	0.64	1.000177
10.2 685.5 538.5 11 73.8 673.9 537.8 11 77.3 662.4 537.1 11 75.9 651.2 630.4 135.4 11 75.1 640.4 535.4 11 73.5 619.4 633.5 11 72.7 609.2 632.6 11 71.9 599.2 630.7 11.1 589.2 630.7 10.4 579.5 629.7 63.6	9•4-		•	.7.3	81.7	4.769		ŗ	•	
73.6 673.9 637.8 77.3 662.4 637.1 75.9 651.2 630.4 75.1 640.4 635.4 74.3 679.4 634.5 73.5 619.4 63.5 71.9 599.2 63.6 71.1 589.2 630.7 70.4 579.5 629.7 69.6 570.1 624.6	-5.2	5.2	•	.a.o	150.2	685.5	_			
77.3 662.4 637.1 11 75.9 651.2 630.4 75.1 640.4 635.4 74.3 679.4 634.5 72.7 609.2 632.6 71.9 599.2 632.6 71.1 589.2 639.7 70.4 579.5 629.7 69.6 570.1 624.6	-5.7		ſ	A•8	73.8	673.9	Ī			
75.9 651.2 630.4 75.1 640.4 635.4 74.3 679.8 634.5 72.7 609.2 632.6 71.9 599.1 631.6 71.1 589.2 630.7 70.4 579.1 624.6	-6.3		ĭ	9.6	77.3	662.4				
75.1 640.4 535.4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.9-		7	† •¢	75.9	651.2				
74.3 679.8 634.5 73.5 619.4 635.5 72.7 609.2 632.6 71.9 599.1 631.6 71.1 589.7 1	-7.7		7	5.1	75.1	9 049				
73.5 619.4 633.5 1 72.7 609.2 63.6 1 71.9 599.1 631.6 1 71.1 589.2 630.7 1 70.4 579.5 629.7 1	.5 -8.4		7	2.5	74.3	8.669				
72.7 609.2 63.6 1 71.9 599.1 631.6 71.1 589.2 630.7 70.4 579.5 629.7 1 69.6 570.1 628.6	.2 -9.2	9.2	-	3.0	73.5	619.4				1.000150
4.6 71.9 599.1 631.6 1 5.6 71.1 589.2 630.7 6.5 70.4 579.5 629.7 1 7.5 69.6 570.1 628.6	0-10-0		7	3.9	72.7	609.2				1.0001'.7
5-6 71-1 589-2 630-7 6-5 70-4 579-5 629-7 7-5 69-6 570-1 624-6	100-100		ì	14.6	71.9	299.1				1.000144
70.4 579.5 629.7 1 69.6 570.1 62d.6 1	43.2 -11.5 -	•	•	15.6	71.1	589.2				1.000141
69.6 570.1 624.6			1	16.5	70.4	579.5	٥			
	-13.2	1	1	17.5	9.69	570.1	Ð			

AX WIND DATA INVALID DUE TO MISSING RAW AZIMUTH AND ELEGATION ANGLES.

STATION ALTITUDE	r)	412.75 FEET) - -	_	THE PLAN A STATE OF THE PROPERTY OF THE PROPER	v1.35		GFOUR TT	GFORE T.L. COORDINATES
30 SEP. HZ		DO30 MDT			A51-20/CH : 1			32.	32-09927 LAT DEG
ASCENSION NO.	110. 48		_		TABLE 14 Cont'd	•		136.	136-40591 LON PEG
GEOMETRIC	PRESSURE	TEMF	TEMPERATURE	RFL . HUM.		SPLED OF	WIND DATA	I.A	FILLEX
ALIAIUDE MSL FEET	MILLIBARS	AIR DEGREES	CENTIGRADE	1,14() k 1,4	OM CHE TO	20040	LIRECTION (ILORESTIN)	SPEED KNOTS	OF HEFRACTION
23500.6	417.6	-14.2	-18.6	68.7	561.0	627.4			1.000133
2400m.C	409.3	-15.2	-19.7	64.0	552.0	620.1			1.000130
24500.9	401.2	-16.2	-2n.8	67.1	543.2				1.000128
25000.0	393.2	-16.9	-21.7	66.5	534.0				1.000125
25500.0	365.3	-17.7	-22.5	65.9	524.6	652.0			1.000123
26000.0	377.5	1001	-23.3	65.2	515.6	_			1.000120
0.0002	36.25 E	1343	2.42	, , , , , , , , , , , , , , , , , , ,	7	0.120			1.000116
27500.0	355.0	-21.1	-26.3	62.5	4.004				1.000113
28000.0	347.8	-22.1	-27.4	01.9	482.2				1.000111
28500.0	340.7	-23.0	-28.4	61.1	474.2	_			1.000109
6,00062	333.6	-54.5	-29.7	4.09	466.7				1.000107
29500.0	320.7	-25.5	-31.0	٠. دري	€.25.4 				1.000105
30000.0	515.0	-26.B	-32.5	59.1	452•1				1.000103
30200.0	212.5	28.0	-33.6	= ! X. !	O	_			1.000101
31000.0	3000	29.0	6.46-	5/•/	4.58.0				1.000100
0.00016	0.000	30.0	200-1		7.704		4.00.		1.0000
32000-0	2010	-31.0	13/0F		0.121		0.60	115.0	1.000096
33000.0	281.5	1-44-	140.0	***	7.01.5	6000	195.5	93.	1.000003
35500.0	275.4	-35.2	1000	43.9**	403+2		197.0	94.4	1.00001
34000.0	269.4	-36.4	-46.5	34.0**	39604		198.1	76.6	1.000089
34500.0	263.6	-37.5	-50.5	24.0+	389.6		199.3	74.6	1.000007
J-000cc	257.9	-38.6	-55.9	14.1++	383.0		199.0	72.9	1.0000%
35500.0	252.3	-39.7	-66.1	* * T • t	376.5	_	7.007	74.0	1.000084
500000	7.040				8 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -	D	2002	77.1	1.00008
3/000.0	235.9	12204			250.5		700 ₹	78.9	1.000079
37500.n	230.7	143.4			349.8		200-2	81.2	1.000078
38000.0	225.5	-44.5			343.0		199.0	83.5	1.000077
38500.0	220.4	-45.9			337.9		190.0	86.5	1.000075
39000	210.4	-47.3			332.2		197.0	80.5	1.000074
•	C-012	100			10/		1.0×1	21.0	1.00007
00000	2000	100			0 1 2 2		1.007	7.00	2/00001
00000	10001	15400			310.0	0.000		0.440	1.0000
2.00014	2000	C - 20			7		2.77	F . C	6:0000
0.00014	19101	10.4.0.1.			1.000	າ ຄຸດ	0 = \\n\	2.5	1.000055
	100	1530/			2.000		7.50	201	1-00000-1
0.00024	178-1	1 1 1 1 1 1			2000		1,000	104.0	000001
•	,	1.50			7) !	7 - 25 4	1.0004.T

** AT LLAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USEL IN THE INTERPOLATION.

AX WIND DATA INVALID DIFE TO MISSING RAW AZIMUTH AND ELEVATION ANDLESS.

STATION AL	STATION ALTITUDE 393			UPP. R. AIN. U. LA. 2730290090	3,.18 30		of ODE 11	VEOLETTE COURDINATES
Strake as Ascension (10)	:io. 98	1930 1101		TABLE 14	IL KRY		32. 136.	36-89967 LAT DEG 136-40591 LON DEG
GEONETHIC	PRESSURE	TEMIL	HEL.HUM.		Stefu of	MINU DATA	ΑL	I rucf X
AL IITIUE		AIR	PEPCFUT	ي	gr:nos	UIRECTION	PEEU	5
MSC FEET	HILLIDARS	DEGREES CLUTIGRADE		ME LEP	STONY	DEGREES (IN)	Kriots	REFRACTION
43500,6	174.2	6*65-		284.0	568.9	197.4	106.3	1.000063
44000.0	170.1	-6.0 • 1		278.1	general contracts	\$.007	104.7	1.00006.2
44500.0	160.0	-60.5		271.9	-	205.6	44.7	1.000061
45000.0	101.9	-61.7		266.0	-	210.6	95.6	1.000059
45500.0	150.0	-62.9		261.8	9.496	215.0	95.5	1.000058
#e000•0	154.2	2.49-		25°C		10017	0.46	1.000057
46500.0	150.4	165.4		252.2		7.44.2	36.5	1.000056
4 7000.	140.	-65.6		246.5	56.1.2	219.7	98.2	1.000055
4/500.0	143.1	-65.4		240.5	9+0 <i>9</i> ¢	4.677	7.86	1.000054
48000.0	139.5	1,46.6		235.3		2.00	97.6	1.00005
40500.0	130.1	-k/.2		2.005		21/00	95.9	1.000051
0.0004	136.	0.891		5 · 0 / 0	0.000	710.7	2.96	0:0000.
49500.0	**************************************	0 · 0 · 1		2.02		**CTV	7.66	\$ 10000 t
505000	120.1	15.90		210.0	7 4 5 5 5	7-41	1001	2 10000 T
200000	0.021			20.00		714.	6.401	1.00004
0.0010	110.8	7-17		7000	7 • C C C C	7.8.0	60.3	1.000045
52000-0	113.9	-71.6		196.4		221.1	80.3	1.00004
52500.0	111.0	-71.7		192.0		554.4	73.0	1.000043
53000.0	108.2	-71.9		18/.3		527.9	69.9	1.000042
53500.0	105.4	-72.1		182.1		230.5	58.2	1.000001
540 00 •0	102.8	-71.8		177.3		252.7	50.3	1.000040
54500.0	1001	-71.1		172.7		235.1	42.1	1.000038
55000.6	1.16	-70.5		167.9		7.047	34.5	1.000037
55500.0	95.5	-69•8 -		163.2		240.1	27.6	1.000036
0.00000	5 • 2 t	19.00		3.55.		251.6 2.0.0	21.9	1.000035
0.00000	6.00	15000		100.00	50/00	1.44.4	19.0	#C0000.1
5/500.0	Ac. 2	25.25		145.7		221.5	22.5	1.000032
58000.0	3.48	5,00		141.6	-	€00°2	27.1	1.000032
50500.0	81.9	6.5.9		137.7		8.06T	32.3	1.000031
59000.0	79.9	-65.2		133.9		10401	37.1	1.000030
57500.0	5-1-6	6.4.3		130.1		167.1	39.2	1.000029
600000	70.0	-43.9		126.5		100.3	36.3	1.0000<8
0020U	74.1	-43.2		123.0		183.5	30.7	1.000027
6100n.0	72.3	-62.3		119.4	1.cac	177.9	26.0	1.000027
61500.0	70.6	- ¢0•5		115.6		1/3-1	22.9	1.000026
62000.0	64.9	-59.8		112.4		172.3	21.7	1.000025
52560.0	1.5	-54.6		7 • 7 U.S.	569•3	7.0.1		1.000024
62000.0	9.69	#.63*		106.9	569.	163.3	15.2	1.000024

Jue	1412.75 FE; T MS	25005000000		VEOULTIC	WEOULTIC COUNDINAILS
30 SEP. AZ	0930 11)T	FAST-PO/CHLIRI		32.4 136.4	32-89927 LAT PEG 136-40591 LON DEG
		Cont'd			
ARISTABLE SIRE		HELLING DENSITY SPEED OF		H.	INUEX
ALTITUDE	AIR DEMPOSIT	PLPCLIIT GAZCUPIC	JRECTION KEED (TN)	SPEED KNOTS	OF METRACTION
MILLION.	S URUNES CENTRON			4.1	100000
63509.0	2.651	9.60C C.HOT	•	?	
	•			5.9	1.000023
04100 0 41 0 0 41 0 0 41 0 0 0 41 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			13.7	1.000022
				21.1	1.000022
				25.2	1.000021
65000 0 000000 000000000000000000000000				22.8	1.000021
			5.45	17.0	1.000020
	1000			11.0	1.060020
			•	15.5	1.06-619
				17.2	1.000019
Section Control Section			- '	17.1	1.000018
	0.07			10.6	1.000018
6.74		70.1 509.1	~		1.000017
70000.0 40.8	-58.7				1.000017
			*		1.000016

STATION ALTITUDE 30 SEP & & ASCENSION 40. 9	10E 3912,75 FEET MSL 0930 FDT 98	<u> </u>	11	7.00/1087 LEVELS 27.507.90996 25.577-26/CULRP TABLE 15	الاستاري الاستارين الاستارين		vEOUETIL COOKDINATES 32-89927 LAT DEG 136-40591 LON DEG
	PRESCURE 6	PRESSURE GEOPOTFITTAL	2	TEMPERALUME	F.E. HUM.	3	_
	RICLIPARS	FELT	MIR DESITION DE GENTLAS DE DESITE DE CERTITOR ADL	CERT TOPADE	PERCENT	UNKEL STRI	TN) KNOTS
	A50.n	4764.	15.6	14.0	• 46	179.7	14.2
	A00.0	6450.	12.7	11.3	.16	183.5	15.3
	750.0	8222.	4.5	7.1	91.	201.5	10.7
	709.0	10090.	5.4	2•n	6∠.	222.1	7.9
	650.0	12070.	5 • 4	6	7.7.	6.061	20.3
	0.009	14161.	-1.2	₩.4-	71.	181.0	32.2
	550.0	16452.	H	-t.t	010	175.8	46.7
	500.0	18910.	-6.A	-10.3	70.	0 • 5655	4×0•6666
	450.0	21591.	-10.9	-1,,.0	72.	0 • 5656	XXO・ハハハカ
	0.004	24535.	-16.3	-51.0	67.	0.6666	36666 XX0
	350.0	27801.	-21.8	-27.0	•29	0.6666	XX0*6666
	300.0	31463.	-30.6	-36.3	57.	0.5656	330.6566
	Û•0\$2	35628.	2.077-			500.4	74.5
	0.000	40512.	-51.A			195.8	7.46
	175.0	43302.	9.05-			190.8	100.3
	150.0	46430	-65.5			219.0	9.06
	125.0	50037.	0.02-			214.6	104.4
	100.0	54361.	-71.1			235.1	42.1
	90.u	58757.	-65.2			190.5	36.8
	70.0	61451.	u•65-			172.9	24.6
	0·09	64619.	-58.7			15.7	19.7
	50.n	68367.	-60.4			153.4	10.0

** AT LEAST ONE ASSUMED RELATIVE HUGIDITY VALUE WAS USEN IN THE INTERPOLATION. XX WIND DATA INVALID DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

ATE LMEI